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ABSTRACT OF THE DISCLOSURE

Embedded, coupled, shaped waveguide resonators having conductive walls sandwiched between two fired green tape stacks, said conductive walls having apertures therein whose size and location determine the degree of coupling. These waveguides are made by forming openings in a first green tape stack, defining walls and apertures therein, mounting a second green tape stack having a conductive layer thereon thereover and firing the assembly. E-plane probes are inserted in openings in the second green tape stack and connected to microstrip transmission lines on an external surface of this green tape stack.